

KOREAN PATENT ABSTRACTS

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(54) MEDIUM FOR PRODUCING GAMMA-POLYGLUTAMIC ACID

(57) Abstract:

PURPOSE: A medium for producing gamma-polyglutamic acid is provided, which contains glucose as a carbon source and produces gamma-polyglutamic acid in high yields with low cost. CONSTITUTION: The medium for producing gamma-polyglutamic acid(PGA) represented by the formula contains 0-0.5g/l of citric acid, 0-0.5g/l of L-glutamic acid and 80-110g/l of glucose. Bacillus licheniformis is cultured in the medium to produce PGA which can be used as diluent, packing material or adhesives for foods and drugs due to its biodegradability. The medium is characterized by using glucose as the only carbon source.

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